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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:46:46 ON 11 JAN 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:47:04 ON 11 JAN 2008

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JAN 2008 HIGHEST RN 960354-22-7

DICTIONARY FILE UPDATES: 10 JAN 2008 HIGHEST RN 960354-22-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

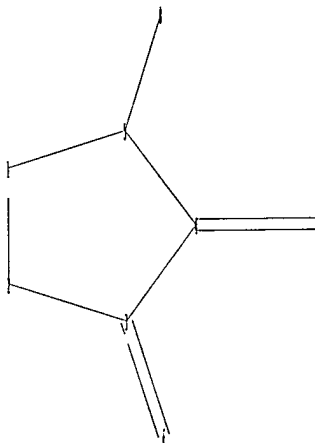
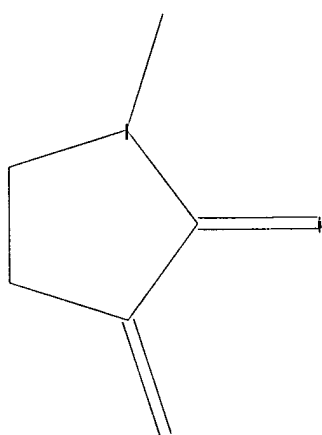
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\mpepitone\My Documents\ChemDraw\11694303\lme3enepyrrdone.str



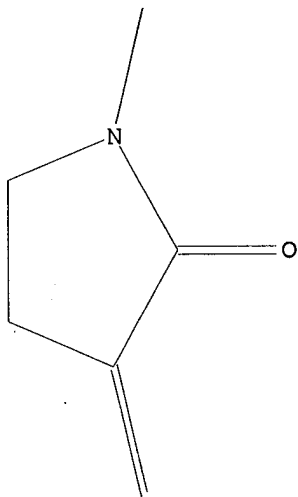
ring nodes :  
1 2 3 4 5  
ring/chain nodes :  
6 7 8

ring/chain bonds :  
3-6 4-7 5-8  
ring bonds :  
1-2 1-5 2-3 3-4 4-5  
exact/norm bonds :  
3-6  
exact bonds :  
1-2 1-5 2-3 3-4 4-5 4-7 5-8

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 exa sam  
SAMPLE SEARCH INITIATED 13:47:39 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE  
  
100.0% PROCESSED 1 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 1 TO 80  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA EXA SAM L1

=> s l1 exa full  
FULL SEARCH INITIATED 13:47:54 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

L3 2 SEA EXA FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

60.77

60.98

FILE 'CAPLUS' ENTERED AT 13:48:03 ON 11 JAN 2008

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FILE COVERS 1907 - 11 Jan 2008 VOL 148 ISS 3

FILE LAST UPDATED: 10 Jan 2008 (20080110/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 8 L3

=> d ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 8 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:594167 CAPLUS

DOCUMENT NUMBER: 147:189057

TITLE: Novel spiroheterocycles by aziridination of  $\alpha$ -methylene- $\gamma$ - and - $\delta$ -lactams

AUTHOR(S): Loreto, M. Antonietta; Migliorini, Antonella; Tardella, P. Antonio; Gambacorta, Augusto

CORPORATE SOURCE: Dipartimento di Chimica, Universita "La Sapienza", Rome, 00185, Italy

SOURCE: European Journal of Organic Chemistry (2007), (14), 2365-2371

CODEN: EJOCFK; ISSN: 1434-193X

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 147:189057

AB New potentially bioactive  $\alpha$ -spiroaziridino- $\gamma$ - and - $\delta$ -lactams have been prepared by treatment of  $\alpha$ -methylene- $\gamma$ - and - $\delta$ -lactams with Et N- $\{[(4\text{-nitrophenyl)sulfonyl}]\text{oxy}\}$ carbamate (N<sub>2</sub>ONHCO<sub>2</sub>Et) in the presence of CaO. These compds., through reductive aziridine ring opening, can be intermediates for the synthesis of  $\alpha$ - and  $\beta$ -aminolactams, which are useful as conformational constraints in peptides. The above procedure has been successfully extended to one  $\alpha$ -methylenoxindole to obtain a new spirooxindole derivative, a potential precursor of natural alkaloids.

IT 50586-05-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT